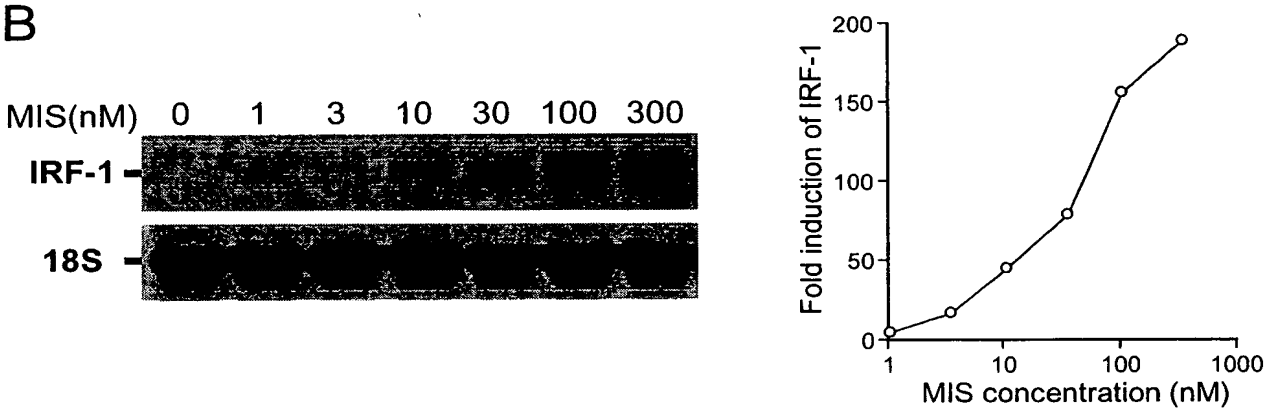
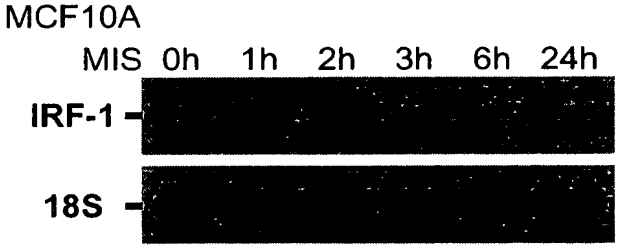
Figure 1

A

B



C



D

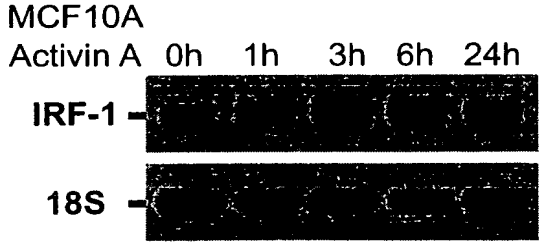
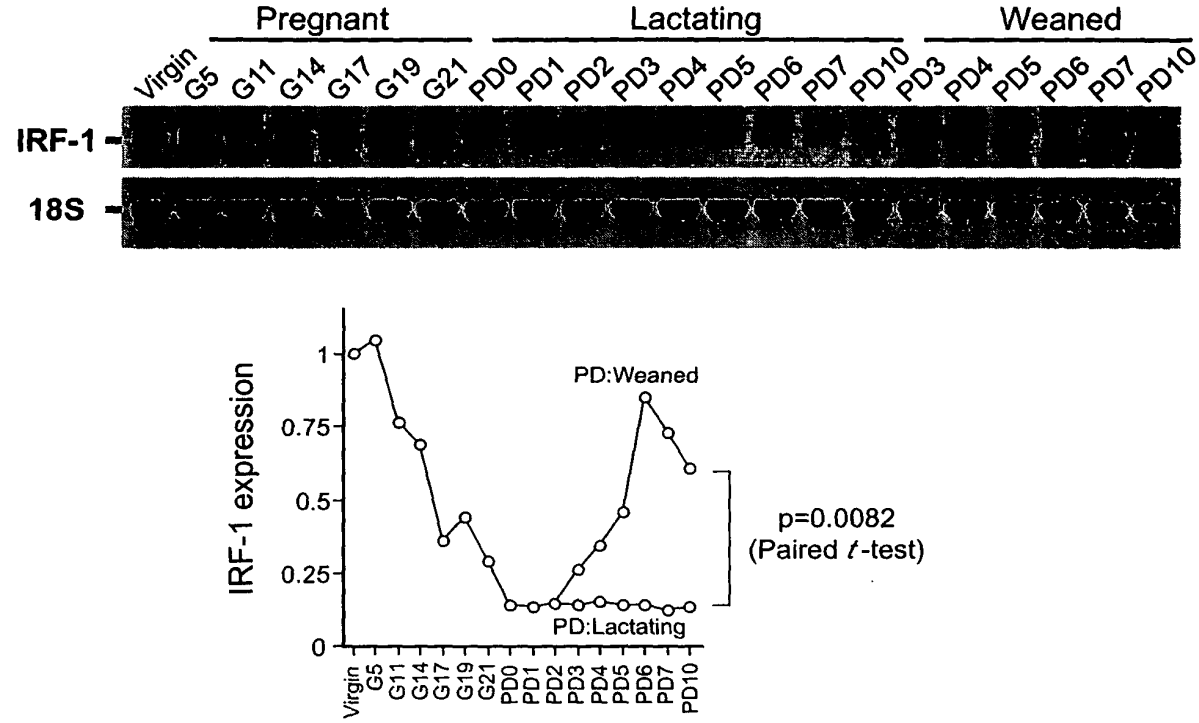


Figure 2

A


Pregnant
Lactating
Weaned
Virgin
G5
G11
G14
G17
G19
G21
PD0
PD1
PD2
PD3
PD4
PD5
PD6
PD7
PD10
PD3
PD4
PD5
PD6
PD7
PD10
IRF-1
18S
IRF-1 expression
1
0.75
0.5
0.25
0
PD:Weaned
PD:Lactating
p=0.0082
(Paired t-test)

B

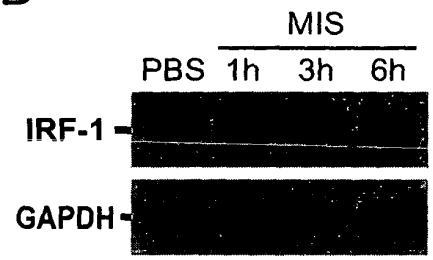
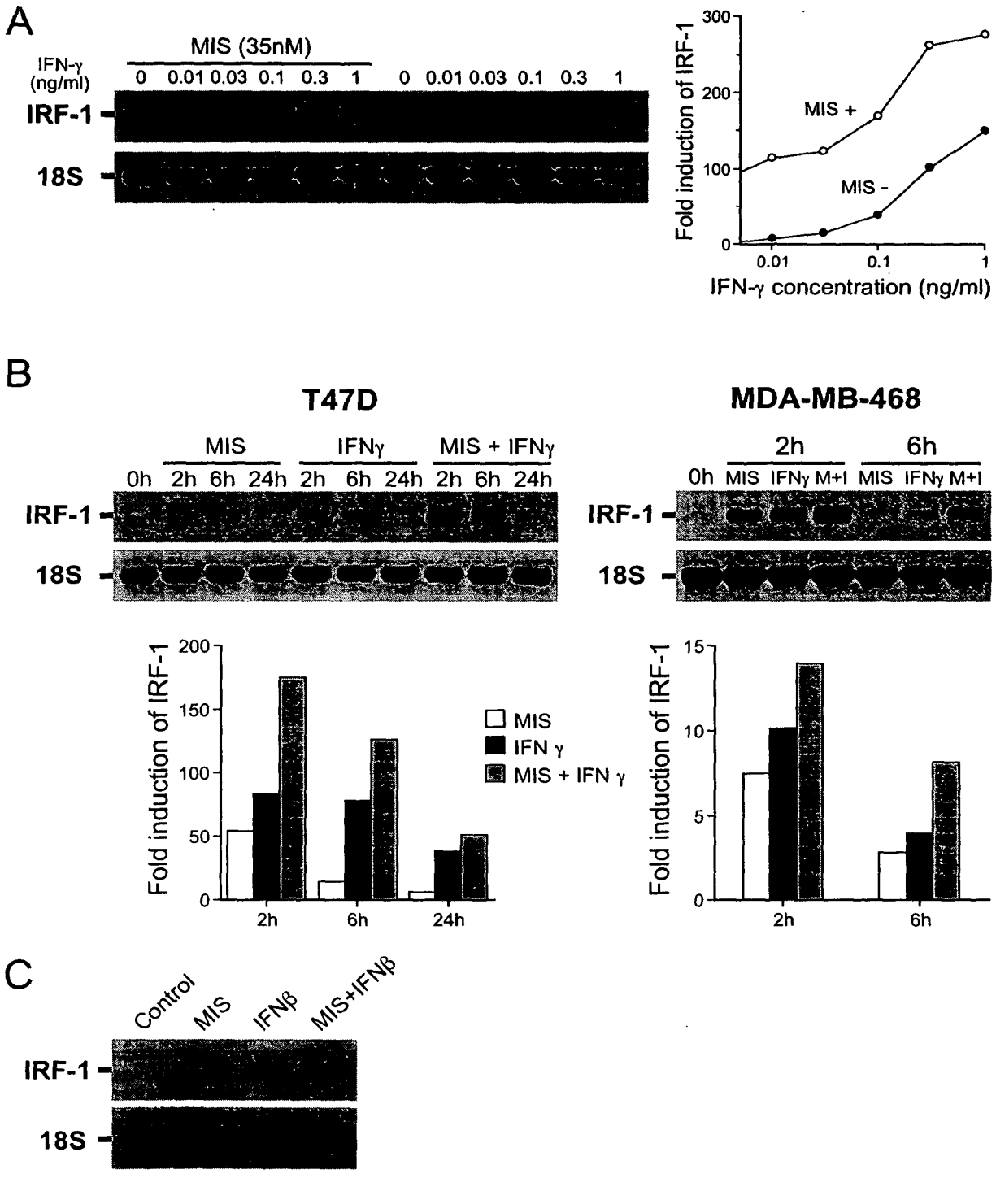
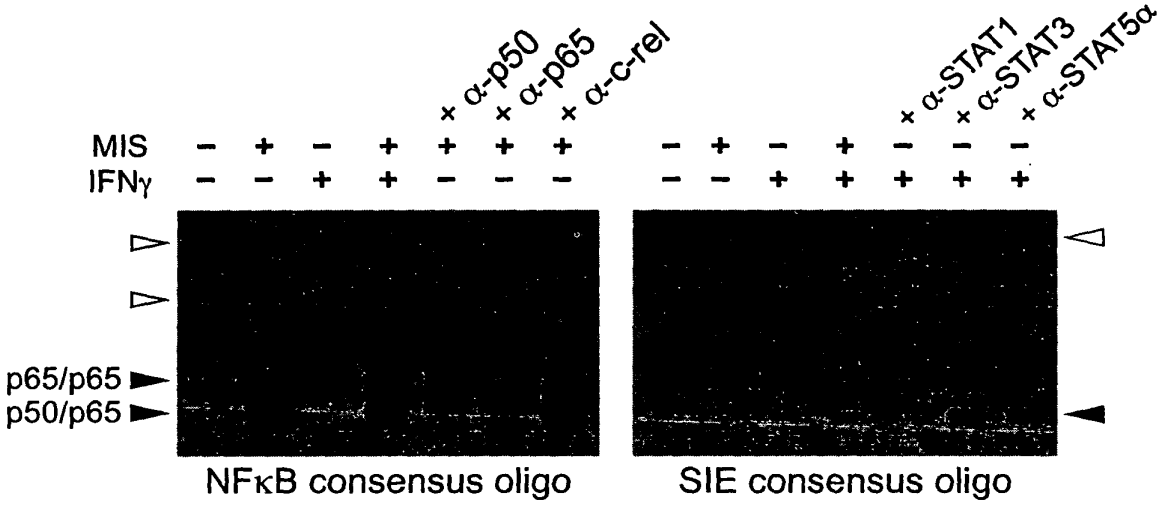

MIS
PBS
1h
3h
6h
IRF-1
GAPDH

Figure 3


A
MIS (35nM)
IFN-γ (ng/ml)
0 0.01 0.03 0.1 0.3 1 0 0.01 0.03 0.1 0.3 1
IRF-1
18S
Fold induction of IRF-1
300
200
100
0
MIS +
MIS -
0.01
0.1
1
IFN-γ concentration (ng/ml)
B
T47D
MDA-MB-468
MIS
IFNγ
MIS + IFNγ
0h 2h 6h 24h 2h 6h 24h 2h 6h 24h
2h
6h
0h MIS IFNγ M+I MIS IFNγ M+I
IRF-1
18S
Fold induction of IRF-1
200
150
100
50
0
MIS
IFN γ
MIS + IFN γ
2h
6h
24h
15
10
5
C
Control
MIS
IFNβ
MIS+IFNβ
IRF-1
18S

D


× α-p50
× α-p65
× α-c-rel
× α-STAT1
× α-STAT3
× α-STAT5α
MIS
IFNγ
p65/p65
p50/p65
NFκB consensus oligo
SIE consensus oligo

E

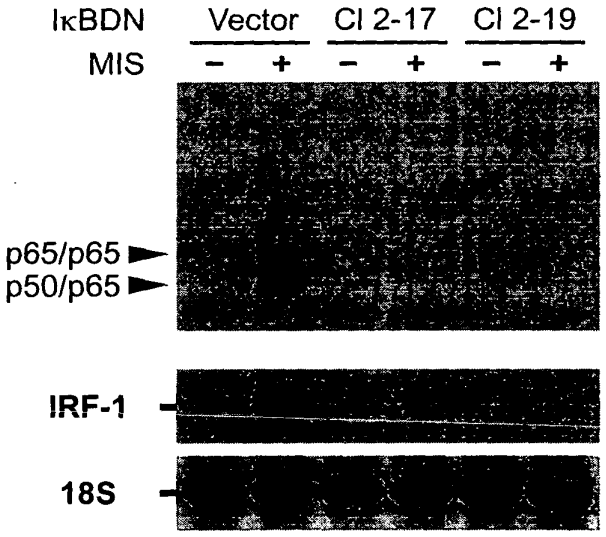

IκBDN
Vector
Cl 2-17
Cl 2-19
MIS
p65/p65
p50/p65
IRF-1
18S

Figure 4

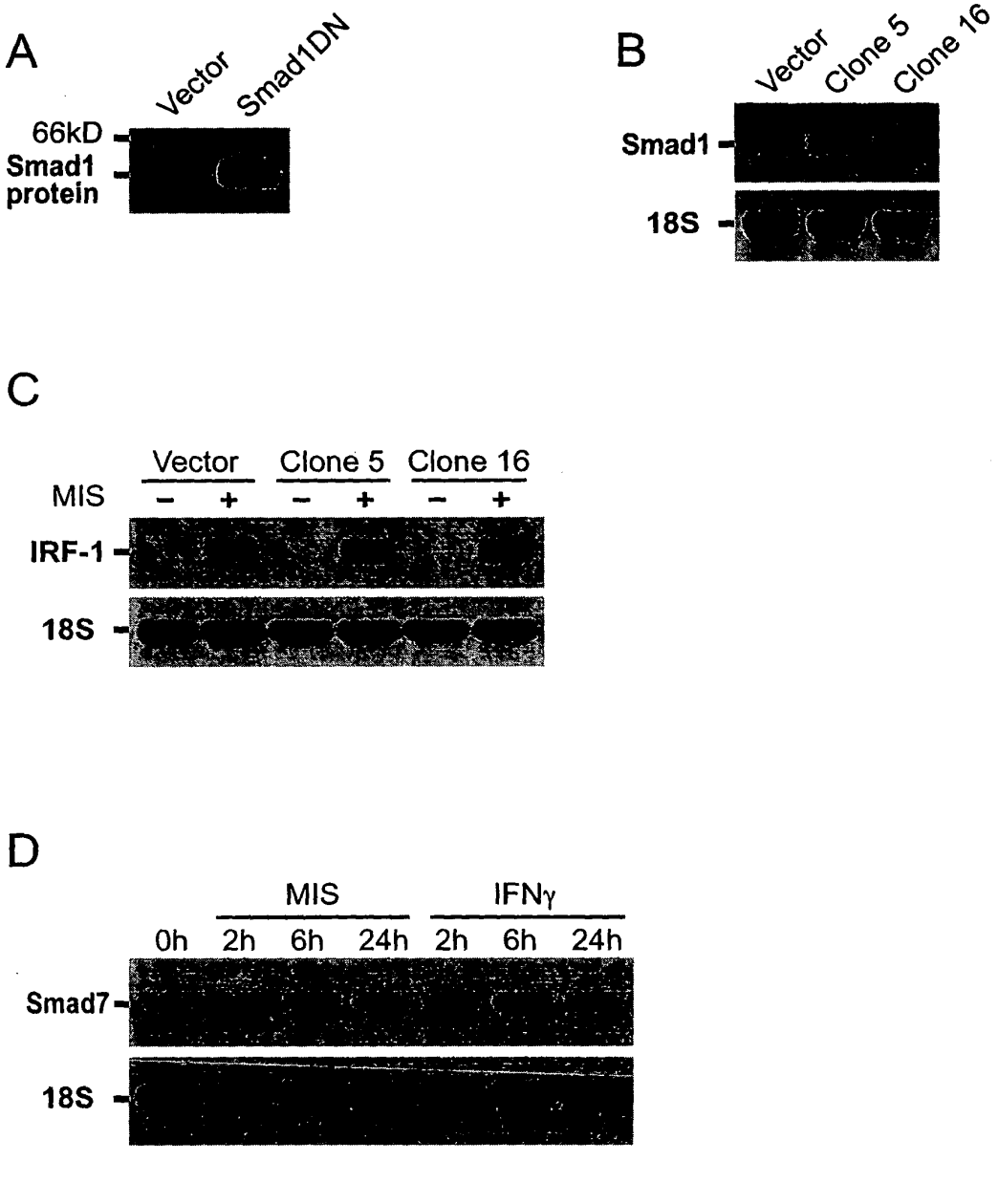

A
Vector
Smad1DN
66kD
Smad1
protein
B
Vector
Clone 5
Clone 16
Smad1
18S
C
Vector
Clone 5
Clone 16
MIS
− + − + − +
IRF-1
18S
D
MIS
IFNγ
0h 2h 6h 24h 2h 6h 24h
Smad7
18S

Figure 5

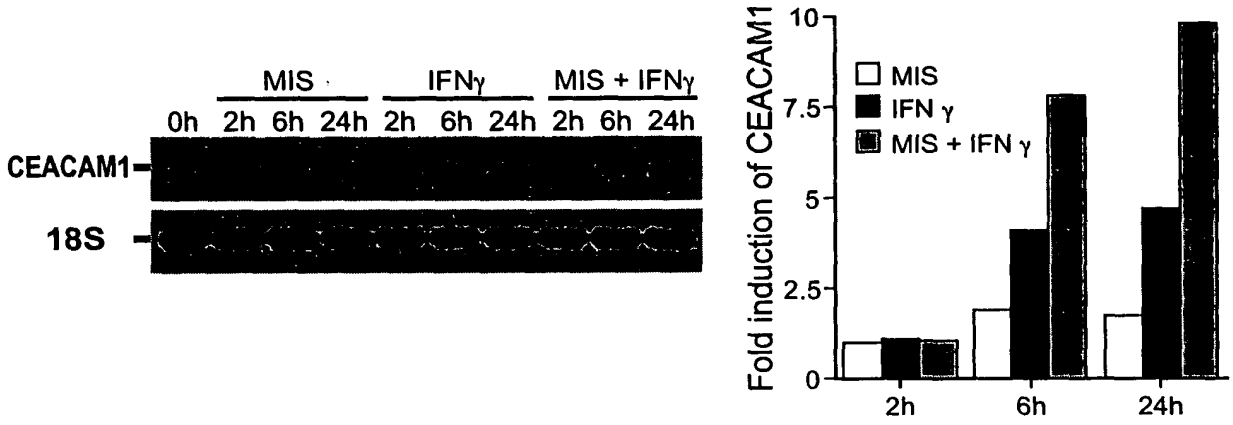
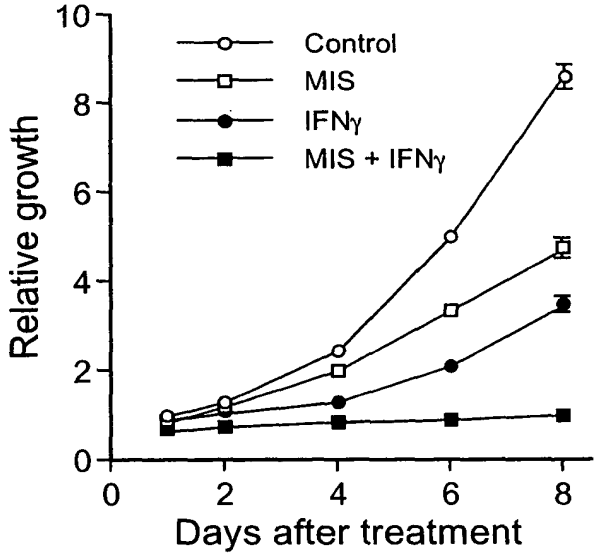



Figure 6